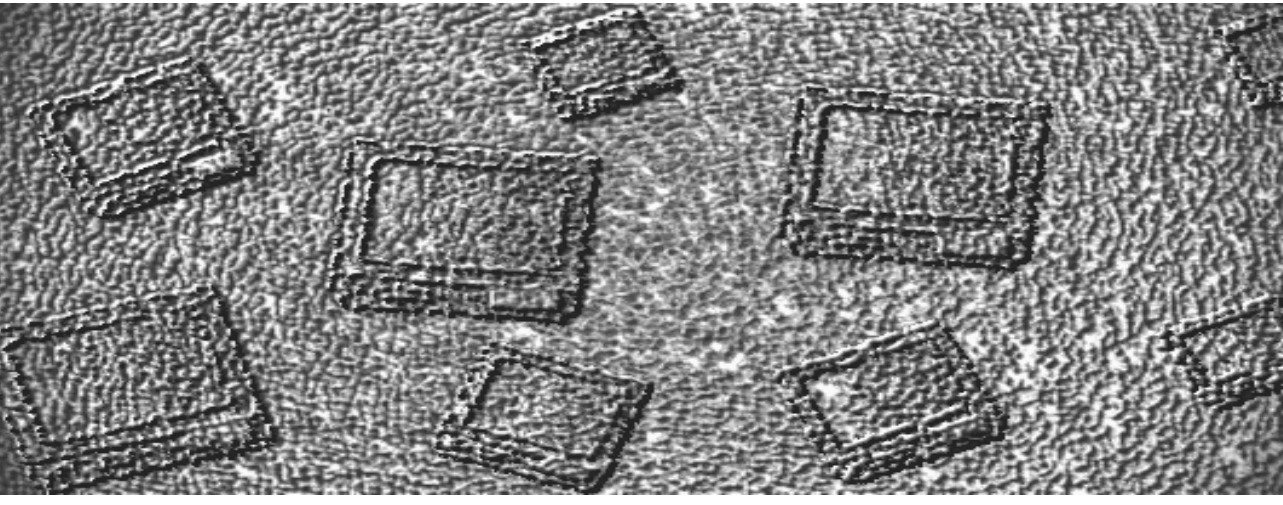
DAEWOO

Colour Television

Instruction Manual



MODEL NO. : DTE-29G3ZZR,DTE-29G3KZR

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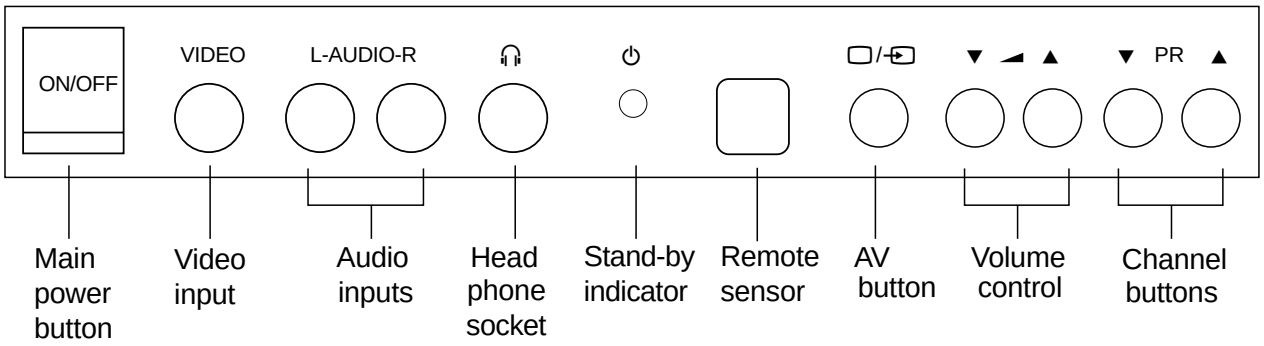
Notice

Although we have made every effort to ensure these instructions are correct, we cannot accept responsibility for errors and omissions which may occur due to circumstances beyond our control.

Features on the television and the remote control

Features on the front of the television



- You can get to the front controls by pushing the triangle at the top centre of the cover flap. The flap will fall open. Push the flap again to close it.

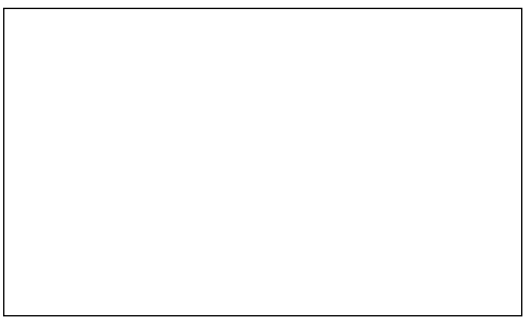
PR The channel ▲ button increases the programme number and the channel ▼ button decreases it.

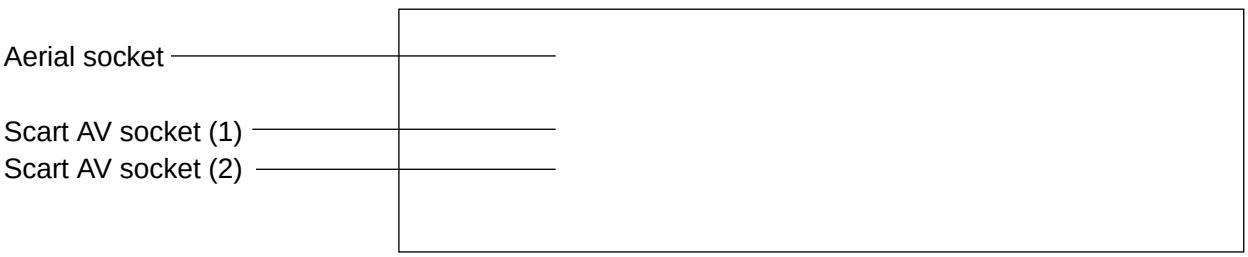
The volume control ▲ button makes the sound louder and the volume control ▼ button makes the sound quieter.

The headphone socket takes a 3.5mm diameter plug.

Warning! Prolonged listening through headphones at high volume can result in hearing damage.

Features on the back of the television



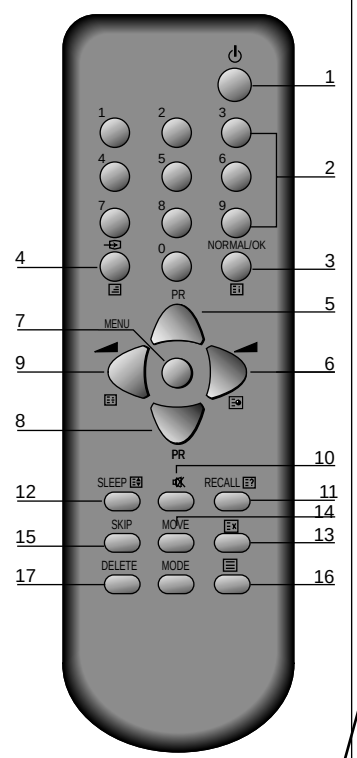


The remote control buttons

Television mode

1 ⏻ The stand-by button switches the television on or puts it back on stand-by (page 6).
2 The number buttons are mainly for programme selection.
3 NORMAL means this button selects different picture settings (page 9), OK means it confirms choices in the on-screen menus or stores a setting (page 9).
4 ⊣▶ This button selects audio and video (AV) inputs (page 19).
5, 8The **PR** buttons change the programme number up or down and choose controls in the on-screen menus.
6 ◢ The volume increase button makes sound louder or changes settings in the on-screen menu controls.
7 The MENU button displays on-screen menus for tuning in programmes and adjusting, sound, picture and special feature controls (page 9).
9 ◢ The voulme decrease button makes sound quieter or changes settings in the on-screen menu controls.
10 🔇 The mute button turns the sound on and off.
11 The recall button turns the programme information display on and off.
12 The SLEEP button sets the television to go on stand-by after a preset number of minutes(page 16).
14 MOVE, 15 SKIP,17 DELETE, 18 MODE buttons are for editing the programme list (page 13).

Buttons 13 and 16 are only for teletext



(Note to Plain English
Menu button in teletext mode....
Press once, gives Brightness & volume
Press again, goes back to fast text headings)

Teletext mode

Only the buttons listed below will work when the television is in teletext mode.

1 Stand-by button.
2 The number buttons are used to select teletext page numbers.
3 The index button displays the teletext index page.
4 The mix button shows the normal picture behind the text.
5 This **PR** button increases the page number by one for each press.
6 The sub-page button is for selecting a particular sub-page.
7 The MENU button switches between brightness and volume controls and fast text headings while you are watching teletext.
8 This **PR** button decreases the page number by one for each press.
9 The hold button stops the displayed page from changing.
10 Sound mute button.
11 The reveal button reveals and hides answers to quizzes.
12 The size button changes the size of the text on the screen.
13 The cancel button displays the normal picture but leaves teletext mode working.
14, 15, 17 and 18 coloured buttons select from a list of headings which have the same colours as the buttons.
16 The teletext button switches between teletext and normal television modes.

See pages to about teletext.

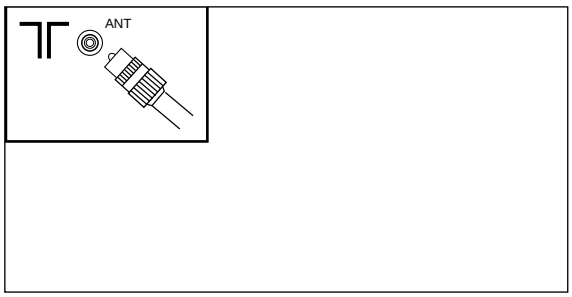
Setting up your television

1 Please read the safety and care information at the back of this booklet before you connect this television to the electricity supply. Then follow steps 2 to 5.

2 Make the connections

The aerial

Connect the aerial lead to the ANT socket at the back of the television. You will need a good quality aerial to receive teletext and nicam sound.



Other equipment

If you have a video recorder you will need to connect the aerial lead to the video recorder and connect the aerial output lead from the video recorder to the television aerial socket. Information about connecting aerials and other equipment is given in 'Connecting other equipment' on page 21.

The scart AV sockets

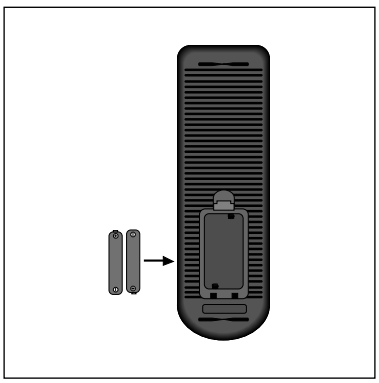
This television has two special interconnecting sockets called 'scart' (AV). You don't have to use these straight away, but using scart cables gives you the best picture and sound quality and can cure some picture interference problems. And you will only get stereo sound from other equipment if it is connected with a stereo scart cable. If you have other equipment with scart sockets please read 'Connecting other equipment' on page 21.

3 Put the batteries in the remote control

Press the edge of the catch at the top of the battery cover towards the cover and lift off the cover.
Put in the two batteries that came with your television (size AAA or LR3)

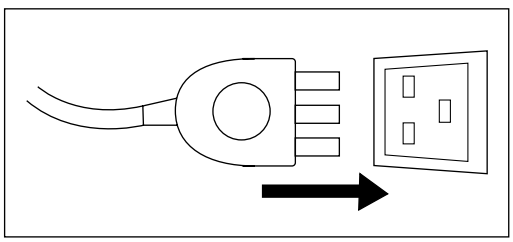
Make sure that the (+) and (-) marks on the batteries agree with the (+) and (-) marks inside the battery compartment.
Replace the cover by engaging the two tabs at the bottom and pressing down the end with the catch until it clicks into place.

- Throw away old batteries carefully. Do not put them on a fire.
- Keep within 30 degrees and 7 metres of the remote sensor.
- Bright sunlight and some fluorescent light falling on the remote sensor may stop the remote from working properly.



4 Supply power

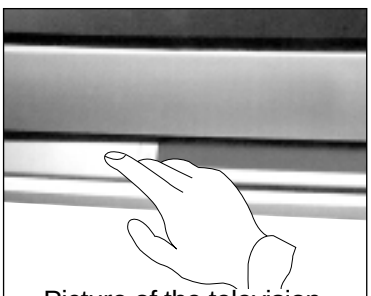
Plug your television into the mains supply (220 to 240 volts, 50Hz).



5 Switch on

Switch the set on with the main power button (ON/OFF) on the television, then press the stand-by button ⏻, a number button or one of the '**PR**' buttons just once. After a few moments the screen should light up.

You are now ready to tune in the broadcasts you can receive, but please take a moment to read 'Stand-by mode' and 'Switching off' on the next page before you turn to 'Tuning in the programmes'.

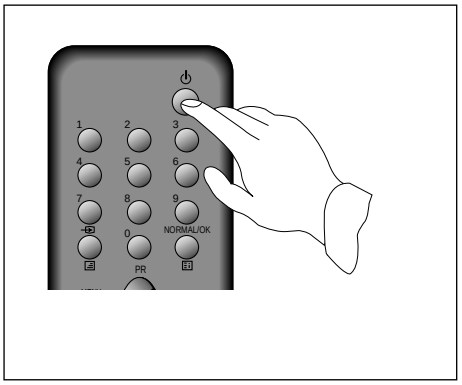


Picture of the television showing a hand pressing the main power switch

Stand-by mode

Stand-by mode allows you to;

- turn the television on and off with the remote control;
- turn the television on with the wake-up timer; and
- turn the television off with the sleep timer.



When the television is on stand-by, the stand-by indicator lights up in red. In this condition the television uses little power, but you should switch off at the main power switch to save energy and be safe when you are leaving the television unattended for a long time.

You can switch the television on from stand-by if you press any of the following buttons.

The stand-by button ⏻
One of the number buttons 0 to 9.
One of the **PR** buttons on the remote control.
The **PR▲** or **PR▼** button on the front panel of the television.

When the television is switched on the stand-by indicator will change from red to green and after a few seconds the screen will light up. Press the red stand-by button on the remote control again to put the television back on stand-by. ⏻

Switching off

Press the red stand-by ⏻ button on the remote control to put the television back on stand-by, or press the main power button to switch off completely.

Automatic power saving feature

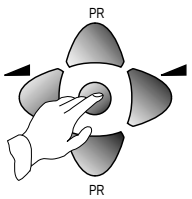
If no signal is received through the aerial cable or from any external equipment, after about thirty minutes the television will automatically go on stand-by.

Tuning in the programmes

Before you start

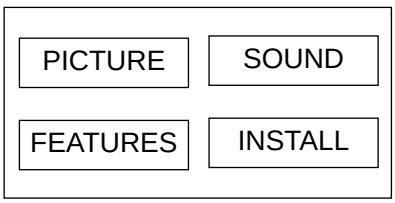
1 Make sure you have followed steps 1 to 5 under 'Setting up your television' and read 'Stand-by mode'.
2 If you have a video recorder connected with the aerial lead, switch it on to produce a test picture, or play a video tape.
3 If you have a satellite receiver (or any other piece of equipment as well as the video recorder) connected with the aerial lead, make sure that mains power is supplied to it and that it is on stand-by.
4 Switch on. (If the screen does not light up, please check previous sections '3 Supply power', '4 - Switch on' and 'Stand-by mode'.)

1 menu

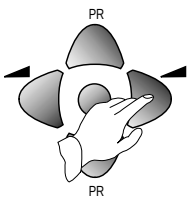


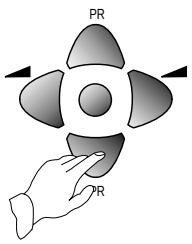
Press the MENU button to make the picture, sound, features and install boxes appear on the screen.

- Whenever a menu is displayed, if you do not press a button within 30 seconds the menu will go off.
- You might already find a menu prompting you to set the on-screen menu language. In this case, press the volume increase button to change the setting (GB stands for Great Britain). Press the MENU button to finish.

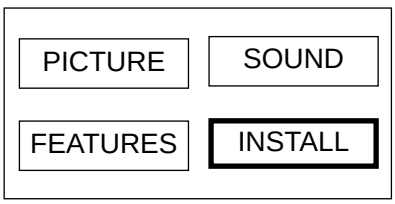


2 volume increase, PR down

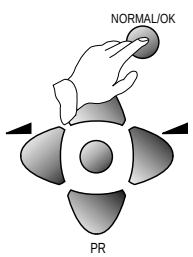




Press the volume increase button and then the **PR** down button to move the green highlight to 'INSTALL'.

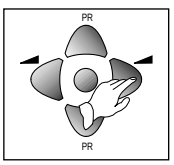


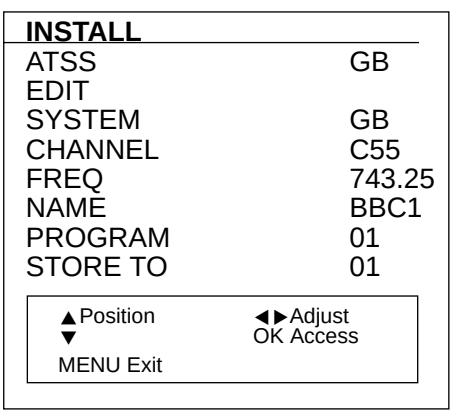
3 OK



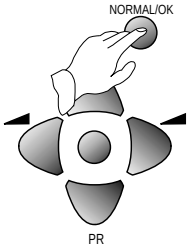
Press the OK button to display the INSTALL menu.

- Make sure the country listed against 'ATSS' is the country in which you live (GB stands for Great Britain). If you need to change the country, press either volume ( )button until the correct abbreviation shows.





4 OK



The 'ATSS' line will be highlighted by green colour. Press and hold the OK button for at least three seconds to start the automatic tune, search and store process (ATSS).

The on-screen display asks you to wait and you will see the frequency changing ('freq'). 'Program' and 'store to' numbers increase as each station is stored in the television's memory.

When the ATSS process has finished you will see the edit menu which shows you what program numbers the stations have been stored under. You can use the edit menu to re-arrange the programs and so on, but if all is correct just press the MENU button or wait a few seconds until the edit menu goes off.

- Your television might not name a satellite receiver or video recorder properly, so you will need to change the name yourself using the edit menu.
- Sometimes the ATSS process will not store the best quality signal on the program number you would like, so you will see a grainy picture or a distorted picture. You will need to change the program number using the edit menu.
- **If you need to change anything using the edit menu, please read 'Editing programs'.**
- **Bad pictures or interference ? - Please read 'Picture interference from other equipment'**

INSTALL

ATSS	GB
EDIT	
SYSTEM	GB
CHANNEL	C55
FREQ	743.25
NAME	BBC1
PROGRAM	01
STORE TO	01

MENU Exit

PLEASE WAIT!

EDIT

PR	NAME	CH	SKIP
05	CH5	C37	
04	CH4	C64	
03	ITV	C59	
02	BBC2	C62	
01	BBC1	C55	
00	------	- ---	
99	------	- ---	

MENU Exit

This completes tuning in the programs

Picture interference from other equipment

If you have used the aerial lead to connect a video recorder, satellite receiver or other piece of equipment, switch the equipment on one piece at a time and check the picture on all your programmes. The pieces of equipment that are not switched on must be on stand-by. If any of your programmes have wavy lines on the picture when the equipment is switched on you will have to change the output frequency of the equipment. Please read the instruction book for the equipment to find out how to do this. Change the output frequency a little at a time (or in 8MHz steps) and keep checking all your programmes.
When there are no wavy lines (or other interference) on any of the pictures, re-tune the programme number that you have chosen for your equipment (see 'Manual Tuning'). Do the same for each piece of equipment , but after you've finished with each one, leave it switched on while you check the next piece of equipment.

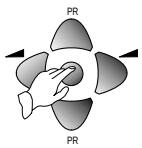
Continue until you have all the pieces of equipment working together without interfering with each other. If you cannot get rid of the interference you may have to connect the equipment with a scart cable (see 'Connecting other equipment') .

Menus for controlling and setting up the television

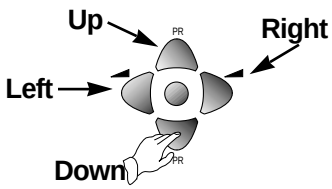
All menu go off the screen within 30 seconds if you don't press any button.
A box on the lower part of the screen reminds you what the buttons do.

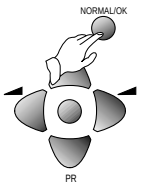
MAIN MENU

1 Press the remote control MENU button to display the main menu. A choice of several sub-menus appears on the screen.

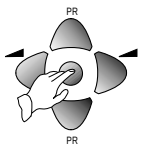


2 To select one of the sub-menus, press the **PR** ◢ or (volume) buttons to move the green highlight to the one you want, then press the **OK** button.



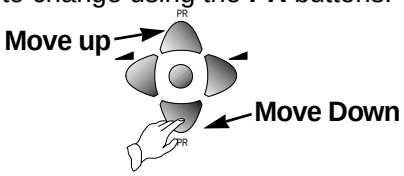


3 To get back to normal television, just press the MENU button repeatedly until all the menus have gone from the screen.

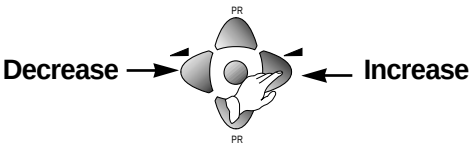


HOW TO USE SUB MENUS

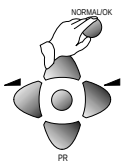
1 Display the sub-menu as described in steps 1 and 2 in 'Main menu' then select the function you want to change using the **PR** buttons.



2 Adjust function using Remote control CURSORS LEFT or RIGHT button.

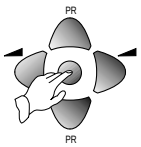


There are some variations on the general method in the install menu.



In the install menu you press OK to access the programme editing menu or store a channel.

3 Return to the main menu by pressing the MENU button. Press it again to return to normal viewing.



PICTURE MENU

- Select and adjust the level of each function: 'bright', 'contrast', 'colour', 'sharpness'.
- Selected values are automatically alored in favourite mode.

Which is recalled by pressing the NORMAL/OK button during normal viewing. The normal button also recalls two fixed picture settings.

SOUND MENU

- Select and adjust the level of each function:
- VOLUME
- BASS
- TREBLE
- BALANCE and SOUND 'EFFECT

When the speakers on the screen face out wards the sound effect makes mono sound like stereo and it makes stereo sound as if the speakers are further apart.
Bass and treble change the volume of low and high frequency sounds. Blance shifts the sound between the left and right speakers.

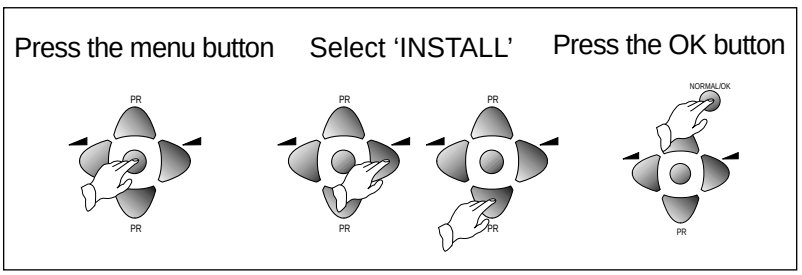
The install menu

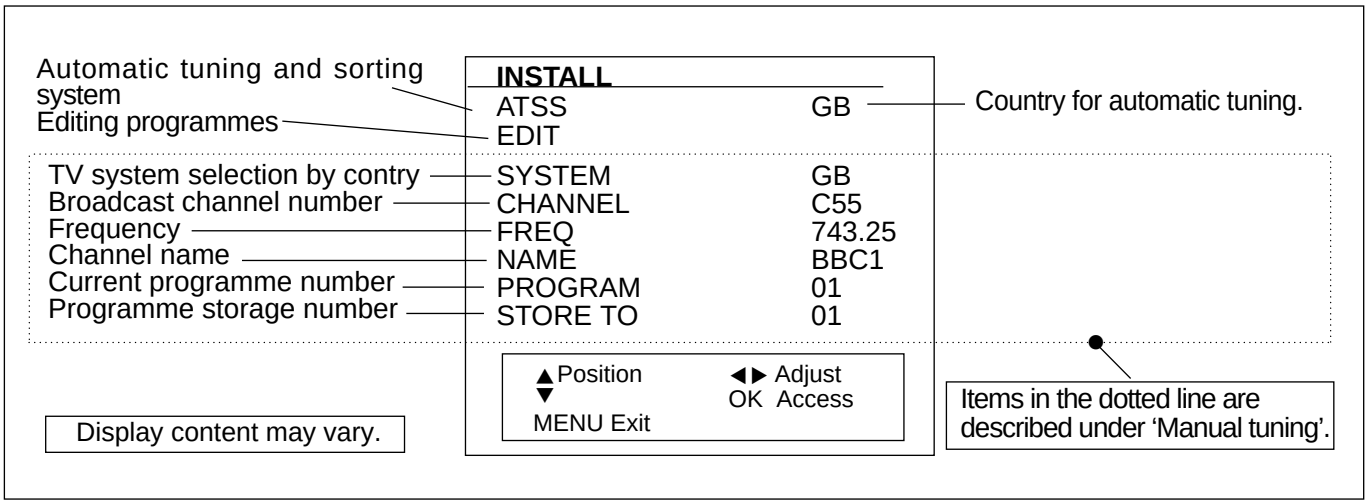
The install menu lets you tune in broadcast channels and other equipment, automatically or manually, and edit the list of stations stored under programme numbers. You can change the name given to a channel or enter a name for a piece of equipment you tuned in.

Select the install menu and select items using the volume and PR buttons (see 'Menus for controlling and setting up the television).

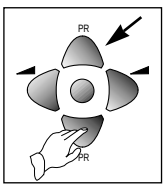
Remember if you do not press a button within 30 seconds the menu will go off.

At any time you can press the MENU button repeatedly to return to normal viewing.





Highlight a line in the menu with the PR buttons.

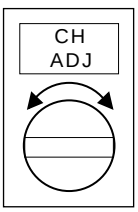


Automatic tuning (ATSS)
The automatic tune, search and store process (ATSS) is described in 'Tuning in the programmes'.

Editing programmes
See this heading on the next page.

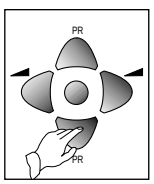
Manual tuning

- Use manual tuning to tune in any extra item of equipment connected by the aerial lead.
- Manual tuning by frequency is very useful if you are trying to tune a non-standard frequency, which might be generated by some types of external equipment. An example would be an older video recorder or analogue satellite receiver which has a simple output signal modulator with an adjustment screw on the back: this illustration shows a typical adjuster. See 'Frequency' below.

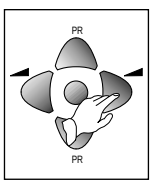


Current program number
Using this feature you can check what has already been tuned in or use an already-tuned channel as a starting point for manual tuning.

Highlight this line by pressing one of the **PR** buttons.



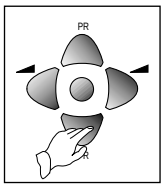
You can see the picture that goes with the current programme number as you change the number with the volume buttons( ).



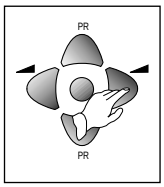
TV system selection by country

This is a multi-standard television which can be used in most European countries. For either automatic or manual tuning you need to tell the television which television system to use by choosing the appropriate country, for example 'GB' stands for 'Great Britain'. Changing the country in the 'system' line has immediate effect on the signal the television is receiving, so if the country does not match the signal then either there will be no sound, no colour or the picture will be distorted. When you store the broadcast channel to a program number the television remembers the country for that channel.

Highlight the '**system**' line with the **PR** buttons.



Change the country with the volume buttons ( ).



Tuning by broadcast channel number

- If you know the broadcast channel number used by the station or piece of equipment you want to tune in, you can enter it by pressing the number buttons while the green highlight is on this line. Highlight the '**channel**' line with the **PR** buttons.
- Briefly pressing one of the volume buttons ( ) changes the channel number one at a time.
- Pressing and holding one of the volume buttons ( ) for a few seconds makes the television search until it finds the next signal, then stop tuning. The television will only find a signal that uses a standard broadcast channel. Use 'Frequency' for tuning in older equipment.
- **We've included a map of transmitters and broadcast channels in Great Britain at the end of this booklet.**

Fine tuning

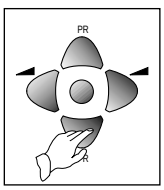
You can tune by broadcast channel number and find there is a signal on some channel but it is not properly tuned in. Change to tuning by frequency and fine tune by repeatedly pressing the left or right volume button ( ). Keep pressing the volume button repeatedly on the side which improves the picture or sound until it is best, then go to Program storage number' below.

Tuning by frequency

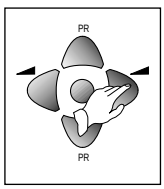
- Move the green highlight to the **'freq'** line with the **PR** buttons. If you know the frequency used by the station or piece of equipment you want to tune in, enter the first three digits by pressing the number buttons while the green highlight is on this line. Change the digits after the decimal point by pressing the left volume button ( ) to decrease or the right volume button ( ) to increase them.
- If you don't know the frequency, press and hold one of the volume buttons () for a few seconds to make the television search until it finds the next signal, then stop tuning. Give the signal a programme number by following 'Program storage number' below.

Channel name

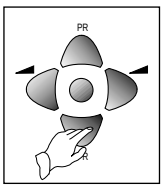
1. Highlight the 'name' line with the **PR** button



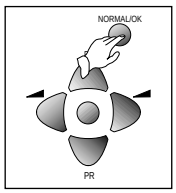
2. Press the right hand volume button ( ) to put the green highlight on the first character position in the name.



3. Change the character by pressing the **PR** buttons.

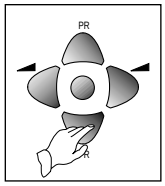


4. Repeat 2 and 3 to for each character position. If you need a space you will find it in the character set.
5. After the last character position the green highlight moves back to 'name'. Store the name to the programme number by pressing the OK button.

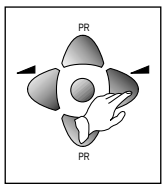


Program storage number

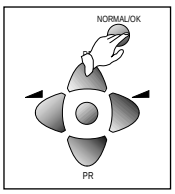
When you have tuned in a new station or some other equipment, use this line to give a programme number to it. Highlight the **'store to'** line by pressing one of the **PR** buttons.



Change the programme number you will give the station or equipment by pressing the volume buttons ( ).



Store your choice by pressing the OK button.

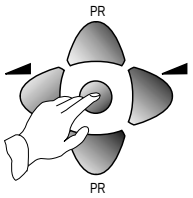


Copying a programme to another number

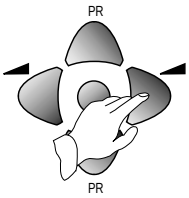
1. Choose the programme you want to copy to another programme number
2. Select the install menu as described under 'The install menu'.
3. Follow 'Programme storage number', choosing a different programme number.

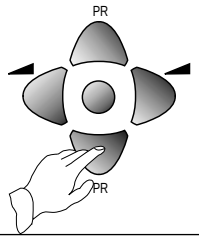
Editing programmes

Press the menu button.

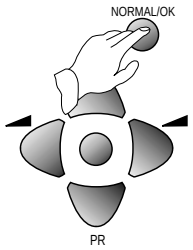


Select ‘INSTALL’



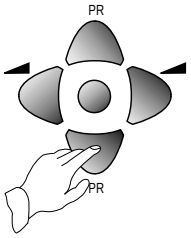


Press the OK button.



- Remember if you do not press a button within 30 seconds the menu will go off.
- At any time you can press the MENU button repeatedly to return to normal viewing.

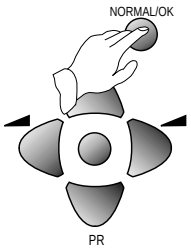
Move the highlight onto ‘EDIT’



INSTALL	
ATSS	GB
EDIT	
SYSTEM	GB
CHANNEL	C55
FREQ	743.25
NAME	BBC1
PROGRAM	01
STORE TO	01

▲▼Position ◄►Adjust
OK Access
MENU Exit

Press the OK button and the edit menu will appear.



‘PR’ is the programme number under which you store a broadcast channel.
‘NAME’ is either read automatically from the broadcast or created by you.
‘CH’ is the broadcast channel number
‘SKIP’ - see below

EDIT			
PR	NAME	CH	SKIP
07	--------	C37	
06	--------	C64	
05	CH5	C59	
04	CH4	C62	
03	ITV	C55	
O2	BBC2	- ---	
01	BBC1	- ---	

Move a channel
When the channel is not on the programme number you want it on, you can move it.
1. Press the **PR** buttons to green-highlight the channel you want to move.
   The picture for that channel will show beehind the menu.
2. Press the green MOVE button on the remote control, the highlight changes to red and the green block on the screen is re-labelled Confirm.
3. Press the **PR** buttons to move the red highlight onto the programme number where you want to put the channel.
4. Press the green MOVE button to finish the move.

▲▼Position
MENU Exit
Move
Delete
Skip

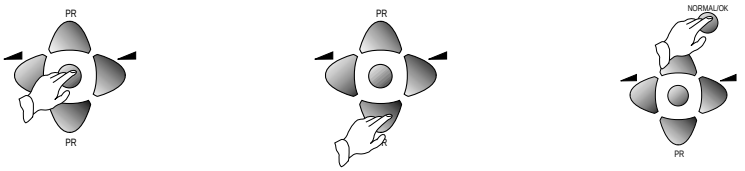
Delete a channel
1. Press the **PR** buttons to green-highlight the channel you want to delete. The picture for that channel will show behind the menu.
2. Press the yellow DELETE button on the remote control. The highlight change momentarily to red and the program list shifts down to occupy the vacant slot.

Skip
You set the tick mark under ‘SKIP’ so the programme number is not recalled when you press the **PR** buttons to select a channel.
1. Press the **PR** buttons to green-highlight the programme number where you want to set or remove the tick mark. The picture for channel will show behind the menu.
2. Press the red SKIP button on the remote control either to set the tick mark or to remove it.

The features menu

How to display the features menu

Press the menu button. Select ‘FEATURES’ Press the OK button



- Remember if you do not press a button within 30 seconds the menu will go off.
- At any time you can press the MENU button repeatedly to return to normal viewing.

What's on the features menu?

Language changes the language used in the on-screen menus .
Format changes the picture size to suit wide-screen broadcasts.
Child lock stops children from turning on the television, providing you hide the remote control.
Clock is used by the wake-up timer.
Wake time is when the wake-up timer switches on the television.
Wake PR lets you choose the programme number you wake up to.

FEATURES

LANGUAGE	GB
FORMAT	4:3
CHILD LOCK	OFF
CLOCK	20:15
WAKE TIME	OFF
WAKE PR	01

▲▼Position ◄►Adjust
MENU Exit OK Access

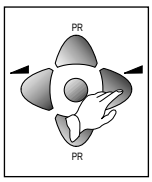
The prompts change when some lines are highlighted.

In general....
Press the PR buttons to move the green highlight.

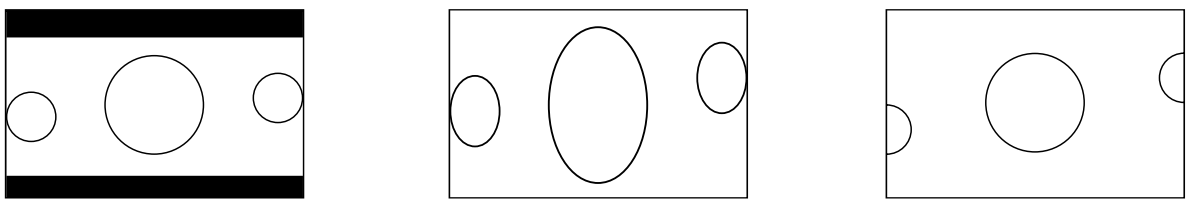
Press the volume buttons to change a setting.

Picture format

Move the green highlight onto **'format'** and press the right volume button (◢) to select;
4 : 3 to suit pictures made in the same aspect ratio as the screen.
16: 9 to suit pictures made in 16:9 wide-screen aspect ratio.
Zoom to make pictures made in wide-screen fill more of the screen.



What’s aspect ratio mean?
Aspect ratio is ratio of the width to the height of the picture. This television has a screen with 4:3 aspect ratio. Wide-screen films normally give a 'letter box' effect on a 4:3 screen, which means there is a black bar above and below the picture. Selecting '4:3' picture format with a wide-screen film fills the screen but things in the picture look tall and thin, but selecting 'zoom' makes them look normal again, although a bit of the film disappears off each side of the screen.



Wide-screen film in 16:9 format **Wide screen film in 4:3 format** **Wide screen film in zoom format**

Child lock

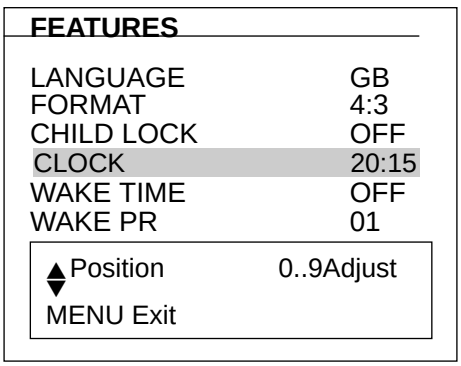
- To activate **'child lock**', highlight it using the PR buttons and change the setting to **'on'** using one volume button (◢). Switch off the television. Now only the person who has the remote control can switch the television on, although the stand-by indicator will light when you switch on the main power. Switch the television on from stand-by using the remote control.
- To de-activate child lock highlight it using the PR buttons and change the setting to **'off'** using one volume button (◢). Press the **menu** button repeatedly to return to normal viewing.

How to use the wake-up timer

To display the features menu follow 'How to display the features menu' on the previous page.

Set the clock

The clock only works when the main power is on. Normally the clock will set itself automatically from teletext, as long as teletext is being received. Be careful with some satellite broadcasts as they may come from a different time zone which does not agree with your local time. If you need to set the clock manually:



1 Display the features menu and highlight the **'clock'** line using the PR buttons, as described under 'The features menu'.
2 Press the 0 ...9 number buttons to enter the correct time. The numbers fill in the clock from left to right.
Use the 24 hour clock (for example, for 7pm enter 19:00).

Set the wake-up timer

1 Display the features menu and highlight the '**wake time**' line using the PR buttons, as described under 'The features menu'.
2 Press one volume button (◢) to change '**off**' on the wake-time line into a 24-hour clock.
3 Press the 0 ...9 number buttons to enter the wake time, just like setting the clock. This is when the television will switch on automatically.
4 Move the green highlight to '**wake pr**' and choose the programme number to wake you up by pressing the volume buttons (◢).
5 Switch the television to stand-by by pressing the red ⏻ button on the remote control.

The clock and wake timer settings will be lost if you use the main power switch, or if the power from the mains is turned off.

How to turn the wake-up timer off

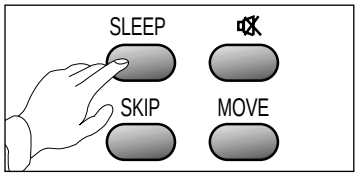
* Switch off the main power; or

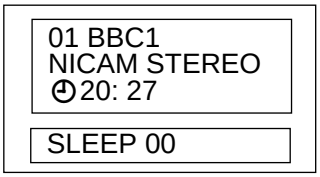
1 Display the features menu and highlight the **'wake time'** line using the PR buttons, as described under 'The features menu'.
2 Press one volume button (◢) to change the time on the wake-time line into **'off'**.
3 Press the **menu** button repeatedly to return to normal viewing.

The sleep function

The sleep function will switch the television to stand-by after a set period of time.

1 Press the **sleep** button on the remote control once. **'Sleep 00'** will appear on the screen with some other information. The display will only stay on the screen for about five seconds.





2 Press the **sleep** button again within five seconds and the **'00'** will change to **'30'**.
This number is the number of minutes the television will stay on for before it switches to stand-by.

3 Each press of the **sleep** button increases the time the television will stay on by 30 minutes, up to a maximum of 120 minutes (2 hours).

4 If you press the **sleep** button when the timer is set for 120 minutes, the display will return to '0' and the sleep timer will be switched off.

5 After the sleep timer has been set, you can press the **recall** button to see how much sleep time is left. The information display goes off after about five seconds.

The sleep timer will be cancelled if you switch the television off or put it on stand-by.

Teletext

The layout of the teletext control buttons is illustrated in 'The remote control' on page 4.

The teletext service is an on-screen magazine that is carried on a television broadcast signal. Teletext information can also be carried by a signal fed into the scart or AV input of the television.

Turning teletext on and off

1 Turn on your television and choose a programme.
2 Press the ▤ button to switch the receiver to teletext mode. As long as the selected programme carries teletext the main index page will soon be displayed.

> If there is no teletext on the selected programme, all you will see is '100' and a few other flashing numbers. Quit teletext and try another programme.

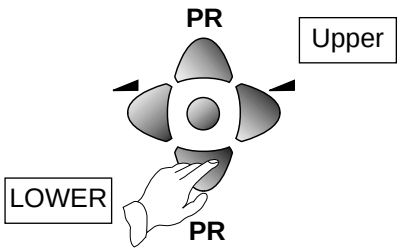
3 To quit teletext, press the ▤ button again.

Selecting a teletext page

1 Press the number buttons on the remote control to enter the page number you want to see. You must enter the page number as a complete three-figure number. The page number you have chosen is displayed on the top left-hand side of the screen. As soon as you enter the third number, the page number in the middle of the top line of the display will start changing, showing that the television is looking for the new page. When the television finds the new page, the number in the middle will stop changing.
2 To choose a new page, simply press the number buttons on the remote control to enter a new page number.
3 If you enter the wrong number, press more numbers until you have entered three numbers, then enter the correct page number.
4 To return to normal television viewing press the ▤ button again.

Moving to the previous or next page

To go to the page above the one you are on, press the upper PR button. To go to the page below the one you are on, press the lower PR button. This television has a page memory which stores a few pages above the one you are reading. When you press the PR button the next page will appear almost instantly, as long as the television has had time to store it since you last changed page.



News flash and sub-title pages

These special pages are displayed as a small box of text on the television picture. The page numbers are given by the service provider (for example, page 150 on BBC1 Ceefax).

Fast text pages (the red, green, yellow and blue buttons)

The four coloured page headings at the bottom of the screen are associated with the displayed page. To see the page corresponding to one of these headings, press the matching coloured button. These buttons are coloured red, green yellow and blue in a group of four on the remote control. Each time you change the page, while you are reading the page you just selected your television is loading a new set of associated pages. Once this has been done any of these pages can be displayed almost instantly by pressing one of the coloured buttons.

Sub-Pages

Some teletext pages contain too much information to fit on the screen at once, so they are split up into sub-pages and shown in order. The service provider usually displays a label in the top right-hand corner of the screen to show which sub-page is being shown. For example '3/6' shows that you are looking at the third of six pages.

How to display a particular sub-page

1 Enter teletext mode by pressing the ▤ button and choose a page with several sub-pages.

2 Press the button on the remote control. The page number at the top left of the teletext display will change to four dashes.

3 Only 4-figure sub-page numbers can be entered in sub-page mode. You can get straight back to 3-figure teletext page numbers by pressing the button again.

Enter the sub-page number by pressing four of the number buttons on the remote control. As you start pressing numbers the dashes change to asterisks. The sub-page number must be entered as a complete four-figure number, such as 0003.

As soon as you enter the fourth digit of the sub-page, the 3-figure page number at the top left of the screen will come back and the number in the centre of the top row will start changing until the television receives the sub-page you have requested. The sub-page will not change until you choose a new page or sub-page.

Page hold

When information in one teletext page will not fit on the screen, sub-pages are shown in order (see 'Sub-pages'). To keep a sub-page on the screen for longer than usual, press the button. To cancel page hold mode press again.

The cancel button - how to watch television while you wait for a teletext page

It is possible to watch television while you wait for a teletext page or sub-page to arrive, then switch to the updated teletext display when it is convenient. Remember the television is still in teletext mode, so don't try to change channel or you will change the teletext page.

1 Press the button. to turn teletext on.
2 Use the remote control to enter a page number (see 'Selecting a teletext page') or a sub-page number (see 'How to display a particular sub-page').
3 Press the button. The top row of the teletext display remains for a few seconds then disappears except for a symbol at the top left. This symbol tells you whether or not the television has found the page.
   • means the television has not found the page yet.
   • A page number like 515 tells you the page or sub-page is ready to view.
4 Press the button again to see the teletext page or sub-page.
5 Press the button to change back to normal television viewing.

You can enter another page or sub-page number even when the television picture is displayed, as long as you pressed the button to display the television picture.

! Some teletext pages are so large that it takes 20 minutes or so to transmit all the sub-pages. Holiday bargains with typically 50 to 70 sub-pages are a good example. These are really meant for specialist use.

Size button

Keep pressing the button to change character size. Press the button once to display the top half of the page at twice its normal height. Press the button again to display the bottom half of the page at twice its normal height. Press the button again to return the text to it's normal size.

Reveal answer

Use this function on certain pages to reveal the solutions to quizzes and so on. Press the button once to reveal a hidden answer and press the button again to hide it.

Index

When you press the index button , a teletext index page will be displayed. Which index page is displayed depends on how the service provider's teletext magazine is organised. Keep pressing the index button to move to different index pages.

Mix

When teletext is turned on, you can see teletext with the normal television picture behind it by pressing the button. Press the button again to go back to normal teletext or press the button to go back to normal viewing.

The scart and AV sockets

The scart sockets at the back of the television are a convenient way of connecting audio and video (AV) signals to and from the television. As the signals are in a more basic form than the signal at the aerial socket, they are less likely to be affected by interference and other things that can reduce picture quality. This television has two scart sockets on special channels called AV1 and AV2. As well as the scart sockets there are video and audio input sockets behind the front control flap provide a different way of connecting to the AV2 channel, but you cannot use scart socket 2 and these sockets at the same time.

Selecting the scart channels
Keep pressing the AV button on the remote control or on the front of the television (/) to choose one of three AV options or normal television mode. The display on the screen will follow the order in the table below, which. describes the facilities provided by the scart and AV connectors on your television.

The screen shows	Connector	AV in	AV out	AV switch (pin 8)	Where the AV output comes from.	NTSC AV	RGB	RGB blanking (pin 16)
AV1	Rear scart 1	Yes	Yes	Yes	Tuner	Yes	Yes	Yes
AV2	Rear scart 2	Yes	No	No	-----		No	No
AV2	The AV inputs on the front of the television. You cannot use scart socket 2 and these sockets at the same time.							
S-VHS	Rear scart 2 is the S-video input							
Programme information	Back to normal television							

Video and RGB

The sharpest and clearest possible picture is reproduced from separate red, green and blue signals (RGB) which are usually produced by digital equipment. Digital and other equipment also produce the video signal which contains all the picture information in just one connection (CVBS for composite video, blanking and synchronisation).

S-video or S-VHS

'S' stands for 'super' and 'VHS' is a type of video recording system. If a video recorder has the S-VHS feature, it can be connected to the scart socket AV2 to get better quality pictures than ordinary videos can give. You must use a scart lead made for S-VHS (or S-video). Other equipment, like DVD players, may have a super-video output.

NTSC and tint control

Imported video discs and cassettes may be recorded with the NTSC television system which is used in America and Japan. This television can play NTSC video providing it is connected through the scart socket and not the aerial cable. While reproducing NTSC video the picture menu has a tint control on it which you can adjust to get the best appearance of natural colours on the picture (see 'Menus for controlling and setting up the television'). Other kinds of video do not need a tint control.

Automatic AV mode or 'video' switching

Some equipment provides an automatic switching signal, so that the video recorder (and so on) 'tells' the television to reproduce its video and audio signals. You can over-ride the automatic switching by pressing the AV button until you get back to normal programme numbers.
Automatic switching signals do not always agree. If this happens you will have to buy a scart lead without the video-switching signal connection.

Equipment that can be connected

You can usually connect video recorders, camcorders, satellite receivers, video disc players, audio amplifiers and video games to the television using the scart sockets. We cannot guarantee that all combinations of equipment will work.

What is the second scart socket for ?

There are other possible combinations besides the ones we have given you. When you have gained some experience you might want to change the connections yourself and make use of the extra socket. You could feed sound signals out to a surround sound amplifier or connect a DVD player with S-video output.

Connecting other equipment

How to connect a video recorder only
Connect the video recorder scart socket to the AV1 scart socket on your television set. If your video recorder has two scart sockets, use the one marked TV. The television aerial should go to the video recorder, then to the television.

How to connect a satellite receiver only
Connect the satellite receiver scart socket to the AV1 scart socket on your television. If your satellite receiver has more than one scart socket, use the one marked TV. Your television aerial should go to the satellite receiver, then to your television.

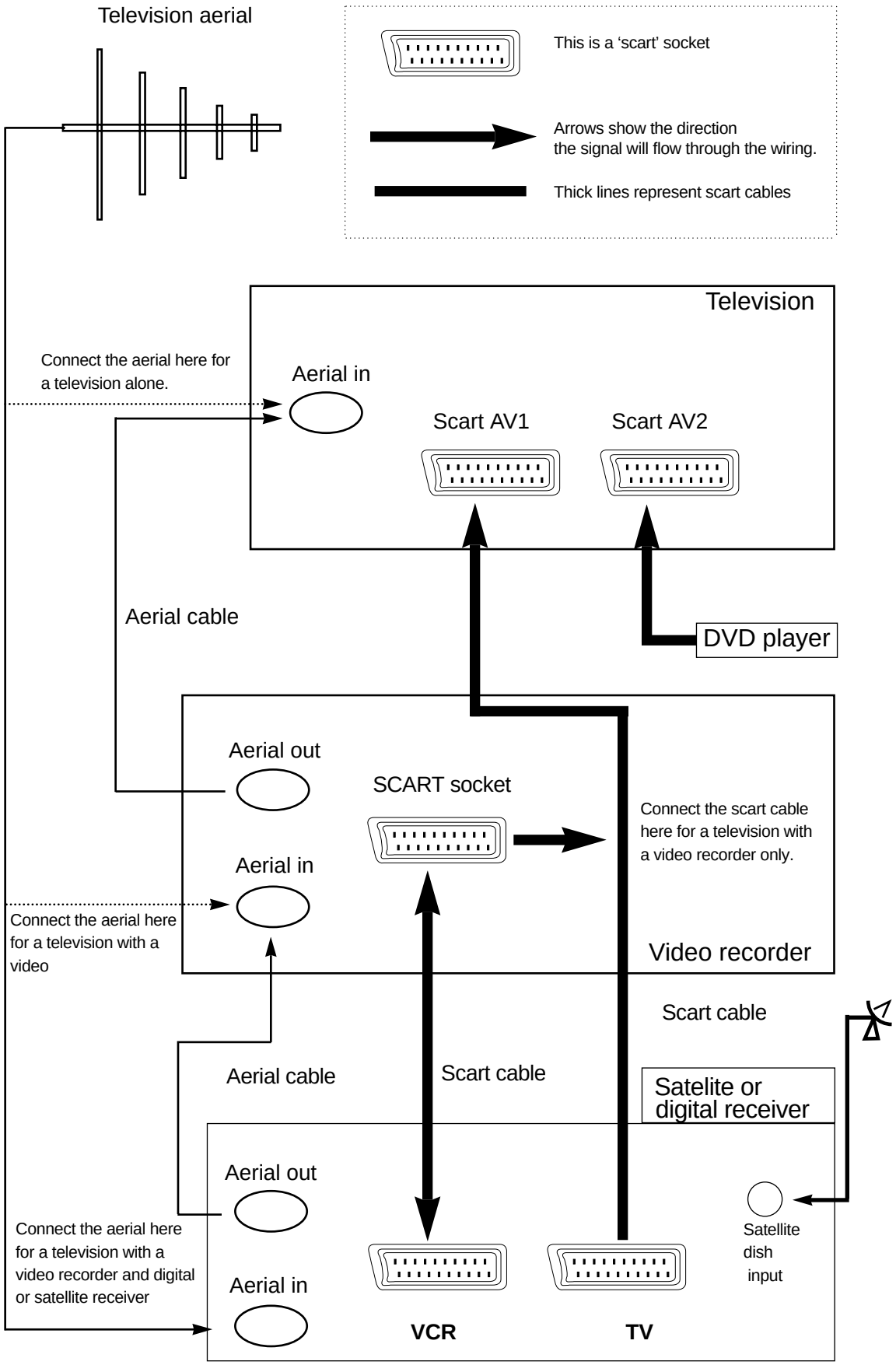
How to connect a satellite receiver with one scart socket and a video recorder with one scart socket
If your video recorder has only one scart socket, connect it to the AV1 scart socket on your television. Your television aerial should go to the satellite receiver, then to the video recorder, then to your television. So that you can record satellite broadcasts you will have to tune one programme number on your video recorder to the satellite receiver (please see your video and satellite instruction books for details of how to do this). So that you can watch satellite television while recording normal television, you should also tune one programme on your television to the satellite receiver (please see 'Manual tuning').

How to connect a satellite receiver with one scart socket and a video recorder with two scart sockets
If your video recorder has two scart sockets, connect one (which may be marked TV) to the AV1 scart socket on your television and connect the other to your satellite receiver. Your television aerial should go to the satellite receiver, then to the video recorder, then to your television. You may need to read your video recorder instructions to find out which is the best scart socket to connect to your television and how to record from the scart socket you have connected to your satellite receiver. So that you can watch satellite television while recording normal television, you should also tune one programme on your television to the satellite receiver (please see 'Manual tuning').

How to connect a satellite receiver with three scart sockets and a video recorder with one or two scart sockets
If your video recorder has two scart sockets, use only one of them. Connect your video recorder to the scart socket marked VCR on the satellite receiver. You may need to read your video recorder instructions to find out which is the best scart socket to use and how to record from the scart socket you have connected to your satellite receiver. Connect the scart socket on the satellite receiver marked TV to the AV1 scart socket on your television. Your television aerial should go to the satellite receiver, then to the video recorder, then to your television.

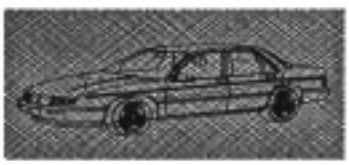
These connections depend on the satellite receiver being put on stand-by to send the audio and video signals from the video recorder to your television. If you want to watch satellite while recording normal television, select a channel on the satellite receiver and press the ⇥ button on your television remote control.
If you decide to watch normal television while recording satellite, you may find you automatically get satellite pictures and sound from your television. In this case, select the programme number you want to watch using your television remote control.

Typical connections for a satellite receiver with three scart sockets, a video recorder and other equipment



If something doesn't seem to work

Sound		
Symptoms	**Possible causes**	**What to do**
No sound	The volume is set to minimum. The mute is switched on. The headphone plug is inserted	Turn the volume up. Press the mute button to release 'mute'. Unplug the headphones
Crackling noises or distorted sound.	Interference from cars, fluorescent lights, a video recorder, a radio broadcast, a personal computer or other electrical equipment.	Turn off one piece of equipment at a time to see if the interference clears.
NICAM switching to mono.	A weak signal or a NICAM mono broadcast.	Have your aerial system checked.
No stereo sound from other equipment such as a video recorder or satellite receiver.	A mono SCART lead is being used to connect the equipment to the television. You are watching the pictures from the equipment on a television channel.	Check that the SCART lead is stereo. Check the equipment is connected to the television through an AV (SCART) lead, then switch the television to AV mode (press the button).

Picture		
Symptoms	**Possible causes**	**What to do**
Snowy picture 	The outside aerial has moved, or is damaged or has been disconnected. Your video recorder could be faulty.	If you have a video recorder put the aerial directly into the television. If this doesn't solve the problem then the aerial could be faulty. If the fault clears, the video recorder could be faulty. Have your aerial system checked.
Extra outlines on objects in the picture (ghosts). 	The aerial is receiving reflected signals from hills or buildings.	Have your aerial system checked. Try to tune in a better quality signal from the same television station.
Spots or streaks on the picture.	Interference from electric motors, motor vehicles, welding equipment, neon signs, radar installations and so on.	See the 'interference' section at the end of this section.
No picture.	Brightness and contrast levels are set to minimum.	Increase the brightness and contrast using the remote control.
Jumbled teletext characters.	Poor quality signal.	Have your aerial system checked.
When RGB input is used the picture moves about on the screen.	Synchronisation signal is missing.	Press the button to select the AV input which receives the synchronisation signal.

Power		
Symptoms	**Possible causes**	**What to do**
Television seems 'dead' - no lights come on and nothing works.	Mains plug is disconnected.	Plug the television into the mains.
	Main power switch is off.	Check the power switches on the television and on the plug.
	Mains supply missing. Are some other pieces of equipment not working ?	Check the fuse or circuit breaker in your main fuse box.
	The fuse in the plug has blown.	Check for a possible cause of fuse failure before you replace it.

Normal phenomena

The following things are normal, so don't worry about them.

- When you touch the screen surface there may be some faint crackling noises and the hairs on your skin may stand on end. This is caused by a little static electricity and is quite harmless.

- A bright object with a lot of fine detail may show coloured bands. This is caused by the limitations in the broadcast system, not a fault in the television.

Safety Information

This television is manufactured for domestic or similar use in temperate climates. Other use might be dangerous.

Mains supply
This television is designed to operate from a 220 - 240Volt, 50Hz AC mains supply only. If you plug it in to other power source's it may damage it. Always check that the rating label on the back cover of the television says 220 to 240V AC (~), 50Hz before you plug it in.

Mains plug
For the UK we have fitted this television with a standard UK moulded mains plug. If the standard plug is not suitable for your mains socket, then you can buy a special adapter locally.

If the moulded plug is cut off, remove the fuse from the plug and get rid of it safely. If you put it into a mains socket, it would be dangerous.

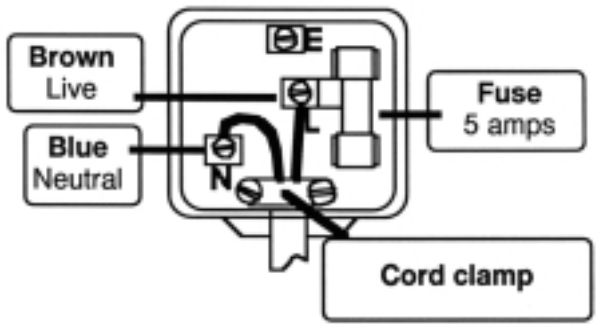
Never use the moulded plug without the fuse cover fitted. If the cover is lost, you must replace the plug.

Mains plug wiring for standard UK plug
The colours of the wires in the mains lead of this television may not match the coloured markings of the mains plug terminals. You can identify the correct terminals as follows.

The wire that is coloured brown is connected to the terminal that is marked with the letter L or coloured red.

The wire that is coloured blue is connected to the terminal that is marked with the letter N or coloured black.

You do not connect anything to the earth terminal which is marked E or ⏚ or coloured green or green and yellow.



Cord clamp
You must make sure the lead is firmly secured under the cord clamp.

Mains fuse
In the UK if you use a 13 amp (BS 1363 type) plug then, you must have a 5 amp (BS1362 type) fuse fitted. If you use any other type of plug or connection, you must fit a 5 amp fuse in the mains plug or adapter, or at the household main fuse box feeding the outlet to which this television is connected.

Symbols

This symbol means this unit is double insulated and an earth connection is not required.

CE This symbol means this unit complies with European safety and electrical interference directives

Using and caring for your television

We have designed and made this television to meet European safety standards. But like any television you must take care to get the best results. Here are a few tips to help you do this.

Use
This product is designed for domestic use only and is therefore not suitable for commercial use. Anything other than household or similar general use according to these instructions may invalidate the guarantee and might be dangerous.

Position
For best results, choose a position where light does not fall directly on the screen and at some distance from radiators or other sources of heat. Unless they are magnetically screened, do not place objects which have magnets in them next to the television or it could affect the quality of the colour.

Moving the television, coloured patches and magnetism
If you move the television the earth's magnetic field can cause coloured patches on the picture. The same can happen if you put a magnet close to the television or you don't use the main power switch. To work the automatic demagnetisation system and remove the coloured patches, the television must be cool and you must switch it on with the main power switch. If the television is warm, leave it to cool for at least 15 minutes before you switch it on.

Ventilation
Place the television on a hard flat surface where curtains and soft furnishings cannot obstruct the air flow through the ventilation slots. If it is in a cabinet, allow at least a 10 centimetre gap all around.

Water and moisture
Do not use the television near water, for example near a bath tub, wash bowl, kitchen sink, laundry tub, swimming pool, in a wet basement or in any damp environment. Do not place liquids, including flower vases on top of the television.

Stands and supports
Use only stands recommended for the television, making sure that the fixings are properly tightened.
Never use a make-shift stand or legs fixed with wood screws. If you do use a stand, put the television on a secure level surface

Cleaning
Unplug the television and use only a lightly dampened soft cloth to clean it. Do not use chemical solvents or strong detergents as these may damage the cabinet finish.

Good advice
Read these instructions carefully before you try to use the television.
Protect the mains lead. You must make sure the mains lead cannot be walked on, crushed, chafed, cut, or so on.
Don't continue to use your television if you have spilt liquids in it, if it is damaged in any way or if it does not work normally. Immediately unplug the television and get expert advice.
Changing the mains plug. If you have to change the plug or remove it, or if the fuse in the mains plug needs changing, read instructions about wiring and replacing the mains plug or fuse we have given in this booklet.
Avoid harsh conditions such as wet or damp places, high humidity, places with extremely high or low temperatures and places which have strong sunlight or are dusty.
Never let anyone, especially children, push objects into holes and ventilation slots.
Make sure that all electrical connections are properly made according to the connection and wiring instructions we have given.
Don't leave the television switched on when you leave the it unattended for a long time, unless the timer is being used.

Electrical safety warnings

To prevent electric shock, do not take the back cover off this television.
If anything goes wrong, don't try and fix it yourself, get a qualified service agent to look at it.
Protect this television from rain or moisture.
Unplug this television from the mains supply when you are not using it for a long period of time.
Pull the mains plug out of the wall socket and disconnect the aerial lead during thunderstorms.